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NTC ORLANDO
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MINUTES FROM ORLANDO PARTNERING TEAM MEETING ON 22 APRIL 1998 NTC
ORLANDO FL
4/22/1998
NAVFAC SOUTHERN

ORLANDO PARTNERING TEAM
MEETING MINUTES
TALLHASSEE, FL
22-23 APRIL 1998

03.04.00.0024

00142

Team Leader- Nancy Rodriguez
Recorder - Gary Whipple

Gate Keeper/Timekeeper - Bob Cohose
Facilitator- Dennie Forte

ATTENDEES:

OPT MEMBERS:

Bob Cohose
Wayne Hansel
John Kaiser
Steve McCoy
John Mitchell
Nancy Rodriguez
Gary Whipple

SUPPORT MEMBERS:

Nick Ugolini (SDIV)
Barbara Nwokike (SDIV)
Dennie Forte (Galileo)

GUESTS:

Matt Shoesmith (TTNUS)
Mike Dunaway (ABB-ES)

ATTACHMENTS DISCUSSED AT THE MEETING

1. Soil/Groundwater Cleanup Target Levels for FAC Chapter 62-785
2. Revised OPT Charter dated 2 April 1998
3. UST/IR Update and Status
4. ABB-ES Recommendation for Soil IDW @ Study Area 52
5. Risk Assessment Exposure Parameters and Statistical Analysis for OU2, McCoy Annex Golf Course
6. List of Unfunded BRAC IR Projects to be awarded in 3rd QTR FY98
7. Efficiency/Productivity Assessment Handouts and Curriculum, Galileo's Team Performance Model
8. Summary of Groundwater VOC Analytical Data @ Study Area 17

APRIL 22

CHECK-IN

1) Nancy Rodriguez opened the meeting on time with all OPT and SUPPORT members listed above in attendance. Matt Shoesmith from Tetra Tech was also present. The team reviewed the mission, vision and meeting ground rules. John Mitchell used the opportunity to handout the Target Cleanup Levels for soil and groundwater as well as the updated Team Charter. (Attachments 1 and 2). The March minutes were reviewed and adopted as final after the following was noted:

a) March Action Items for SA2, (page 7) are carried forward pending the review of the Draft Final Site Screening Report for Herndon Annex. Nancy Rodriguez will see if SA2 can be transferred to the UST program, and ABB-ES will prepare to follow the SAR requirements if such a change is allowable.

b) March Action Item for Gary Whipple, OU2, (page 7) is carried forward pending the delivery of the letters contacting the adjacent property owners. The letters have already been signed by COMNTC.

c) March Action Item for ABB-ES, Bldg. 2273, (page 8), is resolved. John Kaiser states that only the wells that had measured contamination need to be replaced.

2) February Action Items were also reviewed with none being carried forward into April, although some discussion did ensue concerning the status of the 7107 SAR. Also, the proposed change to the June meeting was discussed and disapproved.

UST, IR, TRANSFER UPDATES (See Attachment 3)

1) UST's: The proposed soil removal IRA @ 2040 may be cancelled since the most current data is rather dated. ABB-ES will be issuing a workplan for follow-up sampling to determine further action. Orange County needs to provide a status update, report and future schedule for their pilot project @ 7125 so that the team can decide if additional remediation is necessary. John Kaiser asked for the results of FDEP's review of the 7241 RAP report. The team also discussed the delays to the construction project for the new Army Motor Pool. An October '98 completion date is unlikely, so the team would like to proceed with some of the required work with the ECS-50 still occupying the compound. Nick Ugolini mentioned that the NAVSEA Environmental Detachment Charleston did a good job on the recent round of tank removals. No dirty sites were discovered. Nick also mentioned that scheduled soil removals and FY99 tank removals are being funded now. John Mitchell mentioned that some PWC Pensacola TCAR's were still missing.

DECISION: Pursue the 7175 IRA now, using OVA and Terra probe data, coordinating the work with the ECS-50 to minimize impacts to their operations.

ACTION ITEM: Gary Whipple will obtain the status report and schedule for the Orange County remediation project @7125. Due 5/19/98.

ACTION ITEM: John Mitchell to provide results of FDEP's 7241 RAP review to ABB. Due 4/24/98.

ACTION ITEM: John Mitchell will check on the status of FDEP's 7107 IRA review. Due 5/19/98.

ACTION ITEM: Gary Whipple will obtain project schedule from SOUTHDIV or ROICC for the Army Motor Pool relocation and will contact the ECS-50 about working in the area before they move. Due 5/19/98.

ACTION ITEM: Nick Ugolini will trace the missing PWC Pensacola TCAR's for FDEP. Due 5/19/98.

2) IR: The Air Sparge Workplan for the OU4 RI/FS is being issued, mobilization scheduled for the first week of May. High groundwater levels are impacting the subsurface soil sampling at OU3, Study Areas 8 and 9. ABB-ES issued soil IDW disposal recommendations for Study Area 52. (See Attachment 4 and further discussion). Study Area 27 was backfilled on 21 April. Wayne Hansel mentioned using addendum letters for the FOST's to address currently excluded areas that may be transferrable in the next few months.

3) Transfer: The FOST's for North and South Main Base are signed. The Navy is moving ahead on FOST's for Area C and GOAA parcels. The City of Orlando is pressing for workplan approval for their due diligence efforts. No workplans had been submitted at the time of the meeting.

OPERABLE UNIT 2

1) DPT pushes east of drainage area, south of hole #4, were clean at the 8 and 30 foot depth. John Mitchell was concerned about the possibility of missing some upwelling that may be occurring. Steve McCoy mentioned that upwelling is unlikely due to the shallowness of the trench. However, the team decided that vertical gradient data is

necessary to confirm. The shallow groundwater gradients are very complicated due to the influence of surface water features in the area. The drainage ditches in the area can act as recharge or discharge points depending on rainfall.

ACTION ITEM: Steve McCoy will assess vertical gradient data to determine if upwelling is a problem. Due 5/19/98.

2) Matt Shoesmith presented summaries from the Golf Course Risk Assessment. (See Attachment 5). The assesment used ingestion, dermal, and inhalation exposure parameters for recreational users, site maintenance workers, and residents (for comparison only). Using maximum measured concentrations, six chemicals exceed the 10^{-6} risk level; five PAH's and arsenic. Using the proposed concentrations, only arsenic exceeded this level. However, the data set for the arsenic concentrations was not log-normally distributed. The confidence level of the correlation was approx. 80%, and 97% is required. A more representative arsenic concentration is required.

ACTION ITEM: Steve McCoy, with the assistance of John Mitchell, will determine if we can use a normal/lognormal distribution with the existing data, or a more representative means of calculating the arsenic concentrations. Due 5/19/98.

BUDGET

1) Barbara Nwokike briefed the OPT on unfunded projects and the associated budget execution plan. (See Attachment 6). Work identified needs to be awarded by the end of the third quarter, FY98. Scope changes need to be clearly communicated and anticipated upfront to minimize schedule impacts. A brief summary follows:

ABB-ES: Workplans, IRA soil removal/finalizing decision documents SA18/23/6/7/35/6/7/9/40
Focused Feasibility Study, Herndon Annex
Transition items with B&R, RAC

B&R: Community Relations Support	OU3/4/RAB
Phyto support EPA/UGA	OU4
Treatability Study Expansion (Bio)	OU3
Add'l Feasibility Study, GW, surface soil	OU3
IRA Workplan (Golf Course)	OU2
FF/Treatment Studies	SA36,39,17

Shipyard Det: Removal Actions	SA 18,35,39,40,42,OU3(8)
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Bechtel: Phase III (IRA)	OU2
Phase I and II IRA support	
Phase I and II groundwater remediation	SA17,36,39

TRAINING

(Nick Ugolini, Barbara Nwokike, and Matt Shoesmith left at this point).

1) According to Dennie Forte, other teams had similar questions concerning the team performance model. The model is being revised to address the issues raised by team feedback. The test may possibly be retaken in the fall timeframe. Dennie handed out the Productivity and Efficiency Assessments (See Attachment 7) for review. She also provided the curriculum for the Team Performance Model and the Leadership Development System.

2) Dennie provided the team some training on Public Speaking; covering such issues as knowing the audience, organizing the content of the presentation, attention to language, delivery, and practice.

STUDY AREA REVIEW

The following decisions were made concerning various Study Areas:

SA52: With regards to soil IDW disposal, the soil from the contaminated well will be analysed; the rest of the soil can be disposed on site.

SA30: Going final.....

SA33: Going final, no positive detections from additional round of sampling.

SA35: Positive detections only in the vehicle maintenance pits. Due to the high TRPH values, it may be advantageous to run a fingerprint, but a removal action is probably necessary anyway.

SA37: Soil removal necessary. Undermining the existing foundation should not be a problem from a reuse standpoint. Wayne Hansel mentioned that soil treated for termites may contribute more to the problem.

SA36: TCE detected in the groundwater off of the northeast corner of Bldg. 2122. 650ppb at 15'-19' bls was the highest detection. A shallow/intermediate/deep (S/I/D) well cluster will be installed in the vicinity of the highest detection, and an I/D cluster near the north fence of the compound.

OPERABLE UNIT 3

(See previous comments in IR Update). The water table had been a 5 to 6 feet bls, but the winter's heavy rains raised this level considerably. April has been very dry, so ABB-ES will proceed with subsurface soil samples by the end of April as per plan.

OPERABLE UNIT 4

SBP and Bechtel were recently on site for maintenance and repair of the UVB systems. They will be back on site during the week of 4 May to install new packers and S/D monitoring wells 30 feet south of UVB 2. Pressure transducers will also be installed in the UVB's to monitor the performance of the new packers. Sediment build-up in the UVB wells was higher than expected. The sumps will be pumped out and the wells redeveloped.

SOIL ANALYSIS FOR VOC'S

The SW 846-5035 rule, which seeks to address the loss of volatiles during sample handling, has been an EPA requirement since January; FDEP set a target date of 6/13/98. Some estimate 80% of volatiles are lost using the existing procedures. Some of the challenges of this new rule include figuring cost and scope impacts for existing proposed work, correlating new data with existing data, identifying qualified laboratories, and implementing new field and shipping techniques. Personnel training and orientation is also critical.

The new rules will not require the re-evaluation of closed out study areas, but future data for open study areas in which a final decision has yet to be made will have to address the new rule. Some discussion did ensue concerning the applicability of the rule to the various purposes for collecting soil samples; ie, site screening, risk assessment, IDW characterization, etc. The new method is intended to minimize VOC losses during sample collection, handling, and lab analysis. Guidance on these specifics should be provided by the regulatory agencies.

ACTION ITEM: Nancy Rodriguez and John Mitchell will determine if the new rule applies to IDW handling and disposal operations. Due 5/19/98.

METRICS, SUCCESS STORIES, TIER II DELIVERABLES

The team collected and finalized the Tier II deliverables and gave them to John Mitchell for delivery to Tier II. The Performance Indicator for RI Document Review was modified to identify seven key RI documents that require full regulatory review: OU1 Design, OU2 RI/FS Workplan, OU3 RI/FS Workplan, OU4 IRA FFS, OU4 IRA FFI, OU4 IRA Performance Specification and Design, and the OU4 RI/FS Workplan. The team did discuss reviewing metrics on a regular basis.

STUDY AREA 39 (SEWER MAIN PROJECT)

The Environmental Control Section of the City of Orlando has verbally assured the base that the discharge from the dewatering activities will be treated during the sewer main installation. The project contractor has an existing dewatering permit with the St. John's River Water Management District, but it is not known if treatment is addressed in that permit, or if the Central District FDEP has reviewed the dewatering permit. The project manager met with the PWO on-site to review possible areas for the micro-tunnel vault. The vault will be located east of 141 and southwest of 2273, closer to the bike path. The deepest point of the trench will be 21' bls, and the dewatering wells are scheduled to be five feet on center. It would take a hydrologist and a sophisticated groundwater flow model to determine the exact impacts of the dewatering activities on the PCE plume. Smearing of contamination is a concern, as well as the spatial disturbance of the plume. An additional round of testing will be in order after the sewer main has been installed.

ACTION ITEM: Gary Whipple will write a letter to the City requesting review of their dewatering plan and treatment permit. Due 4/30/98.

APRIL 23

TECHNICAL ASSISTANCE FOR PUBLIC PARTICIPATION (TAPP)

Wayne Hansel briefed the team on the TAPP program and how it applies to the Orlando RAB. The program offers local RAB's a grant to provide independent assistance in interpreting scientific and engineering issues with regard to the nature of environmental hazards and restoration activities. The program is limited to \$25,000 annually for a maximum of \$100,000. It cannot be used for political activities, litigation, new primary data, reopening final DoN decisions, epidemiological studies, or community outreach. The team nominated Barbara Nwokike to present the program to the RAB at the next meeting in May. A portion of the package faxed to Wayne will be included in the RAB mailer for May.

INSTITUTIONAL CONTROLS

The Navy issued a letter to the City notifying them of the RTC lease violation and reminding them of their requirement to forward proposed subleases to the regulatory agencies. To date, there is no indication that the City has responded to the letter. The RAB has not been informed of this specific issue. The implementation of institutional controls by the City and the developer will be scheduled for a future RAB meeting.

DECISION: The team will address this specific issue with the RAB in May and ask the City for a response and plan for follow-up actions during the development phase.

ACTION ITEM: Gary Whipple will follow up on the previous letter to assess the City's response. Specifically, have they clearly communicated the requirements to the subleasee, and have they forwarded the required subleases to the regulatory agencies. Due 5/5/98.

ACTION ITEM: If the City has not forwarded the required subleases by 12 May, John Mitchell will forward a warning letter to the Navy, attention Southern Division. Due 5/12/98.

HERNDON ANNEX, SA2

Mike Dunaway joined the team for this discussion. Southdiv is awarding a quasi-feasibility study to ABB-ES for cost estimates and remediation alternatives; the award is scheduled for June. ABB-ES will follow the current report format pending the resolution of the possible transfer to the UST program. The BRAC guidance apparently does not prohibit an IR site from being classified as blue, transferable. The existence of off-site contamination in a residential area complicates the issue since it may trigger different clean-up levels from the undeveloped, industrial Navy property. Something other than the MCL may drive the remediation. Potential remedial alternatives include:

No action -	used as a baseline for risk and cost
Natural Attenuation -	may be occurring <40' bls, but deeper areas questionable.
Containment -	Possibly using drainage ditch area
Permeable Reactive Wall -	
Enhanced Biodegradation -	(in conjunction w/NA)
Chemical Oxidation -	Impacts to secondary standards; iron in the water
Air Sparging -	application may be limited due to large coverage area
Pump & Treat -	for comparative purposes
Treatment Basin -	Using drainage ditch possible, but other contamination sources an issue.
Point of Use Treatment -	(Involves deed restrictions)
Deed Restrictions	

ACTION ITEM: For all: comments on Draft Final Site Screening Report due to ABB-ES ten days prior to next meeting. Due 5/9/98.

STUDY AREA 39 (REMEDIATION)

The team discussed the PRA approach; data confidence, model bias, communicating risk decisions to the public. Even though the PRA is not acceptable to the State due to statute requirements, the Navy and the EPA can continue to present PRA information so that the State can begin to formulate policies, concerns, and recommendations. Deterministic risk analysis was not run on the apartment dweller scenario, and since the PRA simply refines the data using mostly the same calculations, it is possible that using the department dweller scenario would still require active remediation under deterministic risk. The team also discussed hot spot removal to 10^{-6} . ABB-ES noted that the average apartment dweller in the Orlando area stays in their apartment from two to five years. Since the issue of apartment vs. residential development is key, the developer will have a key input to the decision making process. The final PRA will be issued in late April, and Appendix J has all of the cost data related to the various remedial alternatives.

DECISION: The team decided to bring the selected developer into the discussion of possible alternatives. Once the City has selected the developer, the City Planner will be contacted to begin a dialogue.

STUDY AREA 17 (See Attachment 8).

1) VOC groundwater contamination at SA 17 is as high as levels at Area C, but it is not impacting any surface water. Another important distinction is the fact that VC levels are high, indicating that degradation is occurring. Two sources have been identified, and drive points will be installed in the ditch to determine if upwelling is occurring. The proposed wells were reviewed and accepted as proposed. Soil cuttings will be containerized on site, possibly in a roll off. If the soil sampling is for IDW purposes only, does the new 5035 rule apply? EPA Athens can provide assistance in taking soil VOC samples under the new 5035 guidance. ABB-ES can proceed on schedule if the 5035 procedures are postponed, citing the difference between screening and RI/FS data.

DECISION: The team decided to proceed with the groundwater investigations and address the implementation of the 5035 rule to the soil analysis later.

ACTION ITEM: John Kaiser will investigate the applicability of the new 5035 rule to soil sampling for IDW purposes. Due 5/19/98.

CRITIQUE/CLOSE-OUT

POSITIVES (+)

- Excellent restaurant selection
- Finished early while completing agenda
- Good weather and ambiance
- Finished deliverables
- NO METRICS NEXT TIME (*)
- SA2 nearing completion
- completed vast majority of last month's action items
- applied lessons learned from last month's deltas
- had fun while doing work

DELTAS (^)

- Room for first day
- no Tier II representation
- set-up cost
- not able to change June meeting date/location

The meeting was adjourned at approximately 1430, after the agenda for May was drafted.

(*) Note: Some team members pointed out that established metrics should be regularly reviewed to gauge team performance. Implementation of this team maintenance task will be discussed at the May meeting.

OPT AGENDA
May 19 - 21, 1998
Orlando, FL
Bldg. 2025, NTC Orlando

Team Leader:	Gary Whipple	<u>Support:</u>	<u>Expected Guests:</u>
Recorder:	Bob Cohose	Barbara Nwokike (SDIV)	Ervin Smalls (SDIV)
Gate/Timekeeper:	Wayne Hansel	Nick Ugolini (SDIV)	Rick Allen (ABB-ES)
Facilitator:	Dennie Forte		
Tier II Link:	Eric Nuzie		

<u>Time:</u>	<u>Subject:</u>	<u>Objective:</u>	<u>Lead:</u>
20 May			
0815	Check-in	Administration	GW
0915	UST/IR/Transfer	Updates	JK/RA/WH
1015	Break		
1030	Training	Team Building	DF
1130	Inst. Controls	Update	GW
1200	Lunch		
1315	OU3 Brief	Update	JK
1415	OU4 RI Brief	Update	JK
1515	Break		
1530	RAB Brief	Preparation	GW/BN
1700	SW 846-5035	Decision (IDW)	GW
1730	End of Day		
1900	RAB		

21 May			
0830	OU2 Brief	Update/ Decision (PRA)	SM
0930	Study Area Updates	Update	JK
1030	Break		
1045	Herndon Report	Decision (Transferability)	GW/JK
1200	Lunch		
1330	City Workplans	Info-Share	GW
1400	City Developer	Info-Share	GW
	Workplans (SA39?)		
1500	Check out	Administration	GW